BRUHAT BANGALORE MAHANAGARA PALIKE

Rajarajeshwari nagar Zone

Detailed Estimate for Public works

Name of the work:-Operation and maintenance of street lighting system in ward no-17, Package R2 of Rajarajeshwari Nagar Zone.

Budget Head :-P0300 M & R to street lights- Replacement of Burntbulbs etc (Package) **Est.Cost Rs 27,40,000/-**

Sl. No.	Description of Work	Qty.	Rate / Fitting /Annum	Unit	Amt. Per Annum
	Part A. Approved rate SE(Ele)/PRJ/676/2021-22 Dtd:07/12/2021				
1 AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents **for 36/40 watt fluoroscent tube light street lighting systems.**	20	685.45	Each	13709.00
2 AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents **for 250 watt HPSV street light lighting systems.**	1226	1019.41	Each	1249796.66
3 AR	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents **for 400 watt HPSV street light/high mast lighting systems.**	101	1118.08	Each	112926.08
4 AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents **for 24 watt LED park lighting systems.**	506	880.01	Each	445285.06
5 AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents **for 65 watt LED street light lighting systems.**	504	1147.43	Each	578304.72

Administrative Sanctioned for Rs. 27,40,000 (Rs. Twenty Seven Lakhs Forty thousand only) is accorded under the head P0300 - M&R to Street lights By EE (Elect) RRN, M.B. No. 66 & 67 Registered as EE (Elect)RRN/No. 55/21-22 Subject to conditions contained in ... load memo No. EE/ELE/RRN/AS/ Date.. 19/03/22.

55/21-22

AE, (Elect) RRN

EE, (Elect) RRN

Executive Engineer (Elec.)
Rajarajeshwari Nagar Zone,
Bruhat Bangalore Mahanagara Palike

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Sl. No.	Description of Work	Qty.	Rate / Fitting /Annum	Unit	Amt. Per Annum
6 AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **90 watt LED street light lighting systems.**	182	1377.66	Each	250734.12
7 AR	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 110/120 **watt LED street light lighting systems.**	2	1575.5	Each	3151.00
	Total Part A				2653906.64
8 P.No-XVII I.No -459.	Supplying of Microprocessor Based Astronomical timer Switch	8	2418.00	Each	19344.00
9 P.No-XV I.No- 244	Supplying of 4 Pole Power contactor with NO/NC Contactor 100-125 amps.	6	4320.00	Each	25920.00
10 P.NO-26 I.NO-5.14.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics). Three pole 100amps 25kva 9kA	6	4530.00	Each	27180.00
11 P.No-XV I.No- 280	Supplying of 50-63Amps DP Miniature Circuit Breakers	5	813.00	Each	4065.00
	Total Part B				76509.00
	GST @12% on Part B				9181.08
	Miscellaneous Charges				403.28
	Grand Total				2740000.00
	Rupees Twenty Seven Lakh Forty Thousand Only Paise Zero Only				

Technical Sanction for Rs. 27,40,000/-
(Rupees Twenty Seven Lakh Forty Thousand only)
is accorded under head P0300 -M & R to Street light
SE(Ele)/PR/955/21-22

Registered in SE (Ele) No. ... to conditions contained in ... Date: 06/01/22
No. 135
SE(Ele)/TS/135/21-22

AE/AE ... TA ... SE (Ele)

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provisions made in the estimate are adequate and necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the BBMP Funds.
4. The rates in the Estimate is based on the approved Data rates vide office memo no. SE(Ele)/PR/676/2021-22 Dtd:07/12/2021 and KPWD Ele SR -2014-15 and 2019-20.

Asst. Engineer (Ele)

Asst. Exe.Engineer (Ele) I/C
Rajarajeshwari Nagar Zone,

Executive Engineer(Ele)

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